

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

CHRISTIAN COUNTY WATER DISTRICT'S)
REQUEST FOR APPROVAL TO PROVIDE LESS)
STORAGE THAN THE MINIMUM REQUIRED FOR) CASE NO. 10100
ONE DAY'S SUPPLY; A DEVIATION FROM)
SUBSECTION (4) OF 807 KAR 5:066 (5))

O R D E R

By letter received December 3, 1987, Christian County Water District ("Christian County") requested a deviation from Subsection (4) of 807 KAR 5:066, Section 5. Said request asked that Christian County be relieved of the requirement to provide storage equal to one day's supply of its average daily water usage.

Additional information is needed for an adequate and proper consideration of the deviation requested by Christian County.

IT IS THEREFORE ORDERED that Christian County shall file an original and seven copies of the following information with the Commission with a copy to all parties of record no later than February 15, 1988.

1. Provide the following information to describe the demands for water on Christian County's water distribution system.
 - a. Total volumes purchased and/or produced annually for 1984, 1985 and 1986.
 - b. Total volumes purchased and/or produced monthly for the 12 months ending November 30, 1987.

c. Average 24-hour volume purchased and/or produced during the 12 months ending November 30, 1987.

d. Maximum 24-hour volume purchased and/or produced during the 12 months ending November 30, 1987.

e. Total days and highest number of successive days that the maximum 24-hour volume was purchased and/or produced during the 12 months ending November 30, 1987.

f. Projected maximum daily demand volumes for 1990 similar to (d) and (e) above. Describe the method by which these projections were made.

2. Provide a map of Christian County's distribution system that shows the location and size of all distribution mains, storage tanks, pumping stations and any other significant features of the system. One inch on this map should not represent more than one mile on the ground.

3. Provide a description of each of Christian County's storage facilities including their locations on the system and show total volume of storage on the system.

4. List the difference in volumes between total storage and (a) maximum 24-hour volume produced and/or purchased, (b) average 24-hour volume and (c) minimum 24-hour volume.

5. Provide a list of Christian County's large volume customers by name and maximum monthly and 24-hour usage by volume and by percentage of Christian County's maximum monthly and 24-hour volumes. Describe these customers' water storage and/or distribution facilities if any exist and any sales/purchase agreements now in effect for such customers. Explain any seasonal

variations that affect the purchase volumes of any of these customers. Describe Christian County's curtailment plan if applicable to any of these customers. Do not list customers that are purchasing less than 5 percent of Christian County's maximum monthly volumes.

6. Provide a technical summary of operational deficiencies of Christian County's water system that are known from experience or that have been indicated by hydraulic analyses.

7. Show names and addresses of Christian County's customers that are providing critical health services.

8. Show number of hours under present operating conditions that service can be continued to hospitals, schools and other similar facilities after an interruption of service by supplier when the supply requirements to be met are: (a) maximum 24-hour volume, (b) average 24-hour volume and (c) minimum 24-hour volume. Provide supplemental information as needed to explain how results for (a), (b) and (c) were obtained.

9. Describe past periods of interruption by the supplier for Christian County. List dates and total days or hours of interruption.

10. Provide detailed information on supplier's system that delivers water to Christian County. Include location and capacity of (a) treatment plant, (b) pumping stations, (c) storage tanks and any other facilities required for the delivery of water to Christian County. Give the 24-hour capacity and maximum 24-hour production of plant for the 12 months ending November 30, 1987.

11. Does Christian County's water purchase agreement place a limit on the daily or monthly volumes that its supplier will furnish?

If so, define these limits. If supplier provides certain volumes of storage for Christian County, provide a copy of the agreement that insures the provision of this storage by supplier and a statement reflecting Christian County's assessment of reliability of this agreement. Provide a copy of Christian County's water purchase agreement if its particulars cannot be readily described and note the particulars of interest to the instant case. Describe any curtailment aspects of the contract.

12. Describe supplier's capability for delivery of water pressure and volume at each point of delivery to Christian County. Describe those features of supplier's system that limit its capacity for delivery of water pressure and volume to Christian County. Such features may include: (a) distance between supplier's tank and supplier's point of connection with Christian County, (b) size of the connecting main between Christian County and its supplier's tank, (c) capacity of supplier's treatment plant, (d) age of supplier's treatment plant, (e) condition of supplier's treatment plant, (f) capacity and condition of supplier's pumping stations and tanks and supplier's general ability to respond to the needs of Christian County.

13. If the Farmers Home Administration ("FmHA") is the holder of either all or a part of Christian County's long-term

debt, provide a copy of an FmHA letter stating its position with regard to the storage volume provided by Christian County and its request for a deviation from PSC regulations.

14. Describe Christian County's planning to date including its efforts to secure financing for construction of additional storage facilities.

If the above listed items of information cannot be provided by February 15, 1988, Christian County should submit a motion for an extension of time stating the reason a delay is necessary and include a date by which it will be furnished. Such motion will be considered by the Commission. Christian County shall furnish with each response the name of the witness who will be available for responding to questions concerning each item of information requested should a public hearing be required in this matter.

Done at Frankfort, Kentucky, this 8th day of January, 1988.

PUBLIC SERVICE COMMISSION


For the Commission

ATTEST:

Executive Director